

(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:  
(B) CLONE: U-U108

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:

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GGCAGGAGGC AGCTCAATCG ACCGACTCCT CCTCCTCCTC CTCCTCCTCC TCTTGTCTTT      60
CTCATTCTAA TATAATTATC GCTTTTGGTG TGTACATCTT CTATAATTG AGAGGATGGA      120
GGCAGGATTG ATGGCGAAAC AAGCAGCAGC GGTTCGGAAG CCGAACCGCT TCCCCGCCCG      180
GAGCCTAGGG TTCGGGAGCT CGGTCAAGGG CGGATCCGGG ACCAGCAGGA TCGGGTTCGA      240
GGCGCCCGCG AGCGTGGCAT GGAGGAAGCG GTCGATTGAG GTGGCCCGCC AAGGAGCCAT      300
TCGGTCGGAG GTGGTCGTGG AANANAAAGC ATCNCGCCCC AAAAAGGATA AGGCCGGTCC      360
GGGTTCGGCTC TACGTGGGTC TGCCCTTGGA CGTGGTCTCC GACGSCAACG TCNTCAACCA      420
GGGCAAGGCC ATCGCGCGCG GTCTCGGCGC CCTCCGCCCT CCTCGGGGTT GATGGANTCN      480
AACTCCCCCA TCTCTGGGG CGTTGGCGAT GGACTCCGGC GAATGCTCCT CTACCTCCCC      540
CGTCNCGCC CATGGCGCGC GACNCCCGGC CTTCGCCCTCC GCGTCTCCCT CCACCTCCAC      600
TGCCANCGCC GCCCTCGCCT CCCCTCCGCC NAATCGGTGCG AATCCNCCG CGCTAACAAA      660
CCCCGAAATC CTATTNCCTG AACGCNCCG CGCGCCNCCG TTGCCCAAN TNGCCTNTTT      720
CCTTTCNCNT TTGTTTNAAA AAAAATCCC CNTTGTTCCT TCCAACGGG NAGGAACCCC      780
CNAATGGAAG CCTTNCAAA                                799

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(2) INFORMATION FOR SEQ ID NO: 39:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 786 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:  
(B) CLONE: U-U128

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:

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GGCAGGAGGA AACGTCTCTC CCTCTCTCCA CTCTCACAC CCCGCCCCC GACTCAGCGA      60
ATCGACATTC TTGGCGTGTC AAGGAAACCT TTCTTTTATT TGCGAAGGAA CATGAGCAAT      120
ACTGTGTGAC ACACCTTACC CCAGCAAGCT CTTTACCGGC CTCTATCAA AGAAATCAA      180
AGTAAGACTC ATCAAGAGT TTCTGCAAACT TTCTGTGTG GAGTTCATT AGGATCTAAG      240
GTGGAAGAACT CAGTGTCTATA CAGCTCTAGG TCACTGCTTT CAACCGGATC CCTGGGAAAG      300
AAACTCATCA AAGGAATCCC ACCAAGCAA AATCCAAGCA TAGTCACTAT GACCCCTCGT      360
GCTGTGTGGT CTGCANATCC TGCTTCAGAG CTAAGGAGAA AATTCAGCT TGACACAAAT      420

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TCTGAATTGG AGGTGTGTGT TCATGTCCTT ACTTCGGGGT CTCCTGTNCA GATTGAATTT 480  
 CAAGTNACTA ACAGCAGTGG CTACTTGGTG CTTCTNTGGG GTGCAATTCA TAATANAAGG 540  
 AATAACTGGT CACTTCCTTC TCGTCATCCT GATGGAACAA AAGTTTNCN AAACCCGAAC 600  
 TCTCANGANA CCTTTTAAAA AATCTGGTTC CCCATONTCC GTNAAAATGG AGATTGATGA 660  
 TCCTGAARATA CCAGCAGTNG AATTTCTCCT TANTTTTNGA ACAATNTCTC AAAAAAACCN 720  
 AATTTGGGTT TTTAAACNA TTAATGGGTC CCNAAATTC CNTGTTCCNN TTTTNTTANA 780  
 AACCAAG 786

## (2) INFORMATION FOR SEQ ID NO: 40:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 804 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
- (B) CLONE: U-D4

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:

GGCAOGAGAG ATAGCTGAAG TGACGTGAGG TGAATCGAT TAGATCGAGA GAAATTTCTT 60  
 TGTGATTTTT GTGACAATT CTCAATGGCT GCTGTAACAA ANTCACAATT CATCTCGAAA 120  
 GGCTCATGCG CTGGCTATGG GGGTGTCGTC GACTCGGAGC CAAGGACCTT CCTAACACAGA 180  
 AGGGTCTTAC ACTTGAGGAA CCAACACCAC GCTTACGAAG GATTGAGATC TCGAAATGTG 240  
 GTTGATTGA TTCAGATGCC GTCTAATGCC AAGGTGATTT CAAGGAAAAC TGTGAGGGGA 300  
 ACTCAGAATC CTAGCTGTAN ACCTTGGGCT GTTGTCATTT GTGAAAAGG GATGAACATA 360  
 GTCTTTGTCG GCGCTGANAT GGCTCCCTGG AGTAAAACCG GANGGACTCG GTGATGTTCT 420  
 TGGAGGACTG CCACCGGCCA TGGCTGCAAA TGGACACAGA NTGATGACTA TAGCTCCACC 480  
 CTATGATCAG TACAAGGATG GGTGGGATAC AAATGTCCTG GCTGAATTAA AAGTTGAAAA 540  
 TGAATTTGAA ANAATCGCTT TTCTTCCACT GCTATAAAAA AAGAATTGAC AGGGTTTTCA 600  
 TTGATCACCT TTGTTCTTG AAAANGTGTG GGGAAAACT GGAAGAATGA AATTTTGGTC 660  
 CTNTCCCCGG AACTGATTTT NAAAAACANC CCCTAAANTT TANCCTTTN TNCOCNGCCN 720  
 CTTTGTGAAA CTCOCNGGAT NCTGGTTTTT TNCACCCCC NAAAANTTTC CTNGAACCTN 780  
 TGGGGGAAAN TTTTTTTTTT TTTT 804

## (2) INFORMATION FOR SEQ ID NO: 41:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 826 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:  
(B) CLONE: U-D10

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:

GGCACGAGAG ATAGCTGAAG TGACGTGAGT GGACAATTCT CAATGGCTGC TGTAAACAAAG	60
TCACAAATCA TCTCGAAAGG CTCATGCGCT GGCTATGGGG GTGTGCTCGA CTCTGAGCCA	120
AGGACCTTCC TAAACAGAAAG GGTTCACAC TTGAGGAACC AAACACCGC TTACGAAGGA	180
TTGAGATCTC GAAATGTGGT TGATTGATT CAGATGCCGT CTAATGCCAA GGTGATTTCG	240
AGGAAACTG TGAGGGGAAC TCAGAATCCT AGTCGTANAC CTGGGCTGT TGTCAATTGT	300
GGAAAGGGA TGAACATAGT CTTTGTGGG GCTGANATGG CTCCTGGAG TAAACCGGA	360
GGACTCGGTG ATGTCTTGG AGGACTGCCA CCGCCATGG CTGCAATGG ACACAGAAGT	420
GATGACTATA GCTCCAGCT ATGATCAGTA CAAGGATGGG TGGGATACAA ATGCTCTGGC	480
TGANTTAAAA GTTGAAATG AAATTGAAG AATCGCTTC TTCCACTGCT ATNAAANAAG	540
AATTGACAGG GTTTCATTG ATCATCCTTT GTTTCCTGA AAANGTGTG GGAAAAACTG	600
GANGAATGAT ATNTGGTCT GTCCNGGAA CGGATTATTN AAAACCAACC NCTTAANATT	660
TACCCCTTTG TGCCANGCA NCNTTGGAA NCTCCCAAGG ATTCGGATN TTTAACNACN	720
NCCNAATACT TTCTCGGAA CCATTNNGG GANAANNITG TTNTTGTG CNAATTAATT	780
GGCNCCTGG TCCTCTNCC TGCTACTTAA AAATTTTNT TCNTNT	826

(2) INFORMATION FOR SEQ ID NO: 42:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 813 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:  
(B) CLONE: U-D13

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:

GCCACGAGCT GAGGGAGTGA GGGAAAGAGA TAGCTGAAGT GACGTGAGGT GACTTCGATT	60
AGATCGAGAG AAATTTCTTT GTGATTTTG TGGACAAATC TCAATGGCTG CTGTAAACAA	120
GTACAAATTC ATCTCGAAAG GCTCATGCGC TGGCTATGGG GGTGTGCTG ACTCGGAGCC	180
AAGGCACTTC CTAAACAGAA GGGTCTACA CTGAGGAAC CAAACCAACC CTACGAAGC	240
ATTGAGATCT CGAAATGTGG TTGATTGAT TCAGATGCCG TCTAATGCCA AGGTGATTTC	300
AAGGGAAAAA TGTAGGGGA ACTCAGAATC CTAGTGTAG ACCTTGGGCT GTTGTCAATTT	360
GTGAAAAGG GATGAACATA GTCTTTGTCG GCGCTGANAT GGCTCCCTGG GAGTAARACC	420
GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGGCC ATGSGTGCAA ATGGACACAG	480
AAGTGATGAC TATAGTCCA CGCTATGATC AGTACAAGGA TGGGTGGGAT NCAATGTCC	540